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Patent Assignment Abstract of Title

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Total Assignments: 2

Patent #: 6604814

Issue Dt: 08/12/2003 Application #: 09967567 Filing Dt: 09/28/2001

Publication #: US20030063158 Pub Dt: 04/03/2003

Inventors: Robert N.K. Browning, Matt G. Driggers, Ralph L. Statham, Mark Daniel Tucker et al

Title: ARRANGEMENTS OF INTERCONNECT CIRCUIT AND FLUID DROP GENERATORS

Assignment: 1

Reel/Frame: 012582/0507

Recorded: 04/11/2002

Pages: 4

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: BROWNING, ROBERT N.K.

Exec Dt: 11/21/2001

DRIGGERS, MATT G.

Exec Dt: 11/09/2001

STATHAM, RALPH L.

Exec Dt: 11/27/2001

TUCKER, MARK DANIEL

Exec Dt: 11/27/2001

MAHONEY, PATRICK G.

Exec Dt: 11/26/2001

Assignee: HEWLETT-PACKARD COMPANY

INTELLECTUAL PROPERTY ADMINISTRATION

P.O. BOX 272400

FORT COLLINS, COLORADO 80527

Correspondent: HEWLETT-PACKARD COMPANY

RECORDS MANAGER

RICK DE LA TORRE MS 66-838

16399 W BERNARDO DRIVE

SAN DIEGO, CA 92127

Assignment: 2

Reel/Frame: 014142/0757

Recorded: 06/09/2003

Pages: 6

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: HEWLETT-PACKARD COMPANY

Exec Dt: 06/05/2003

Assignee: HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.

20555 SH 249

HOUSTON, TEXAS 77070

Correspondent: HEWLETT-PACKARD COMPANY

CURTIS G. ROSE

P.O. BOX 272400

FORT COLLINS, CO 80527-2400

Search Results as of: 06/22/2005 09:27 AM

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723

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Patent and Trademark Office  
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Washington, D.C. 20231

APRIL 12, 2002

HEWLETT-PACKARD COMPANY  
RECORDS MANAGER  
RICK DE LA TORRE MS 66-838  
16399 W BERNARDO DRIVE  
SAN DIEGO, CA 92127

SAN DIEGO LEGAL DEPT



APR 12 2002

\*700012114A\*

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/11/2002 ✓

REEL/FRAME: 012582/0507 ✓  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

BROWNING, ROBERT N.K.

DOC DATE: 11/21/2001

## ASSIGNOR:

DRIGGERS, MATT G.

DOC DATE: 11/09/2001

## ASSIGNOR:

STATHAM, RALPH L.

DOC DATE: 11/27/2001

## ASSIGNOR:

TUCKER, MARK DANIEL

DOC DATE: 11/27/2001

## ASSIGNOR:

MAHONEY, PATRICK G.

DOC DATE: 11/26/2001

## ASSIGNEE:

HEWLETT-PACKARD COMPANY  
P.O. BOX 272400  
INTELLECTUAL PROPERTY  
ADMINISTRATION  
FORT COLLINS, COLORADO 80527-2400

012582/0507 PAGE 2

SERIAL NUMBER: 09967567  
PATENT NUMBER:

FILING DATE: 09/28/2001  
ISSUE DATE:

SAUNDRA BALLENGER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

Attorney Docket No. 100110189-1

Name of conveying party(ies):  
Robert N.K. Browning 11/21/01  
Malt G. Driggers 11/9/01  
Ralph L. Statham 11/27/01  
Mark Daniel Tucker 11/27/01  
Patrick G. Mahoney 11/28/01

2. Name and address of receiving party(ies):

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

Additional name(s) of conveying party(ies) attached ☐ Yes ☒ No Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment

☐ Merger

☐ Change of Name

☐ Security Agreement

☐ Other

Execution Date(s): November 9, 21, 26, and 27, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Application No.: 09/967,567

Date Filed: 9/28/01

Confirmation No.: 4715

Additional numbers attached? NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Records Manager  
HEWLETT-PACKARD COMPANY  
Rick de la Torre MS 66-838  
16389 W Bernardo Drive  
San Diego CA 92127

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): . . . . \$40.00

☐ Enclosed

☒ Authorization to be charged to deposit account.

8. Deposit Account Number: 08-2025

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Lucinda G. Auciello

Name of Person Signing

Signature

Apr 11, 2002

Date

Total number of pages including cover sheet, attachments, and document: 4

OMB No. 0651-0011 (exp. 4/94)

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END=APR-11 14:20

FILE NO. = 108

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				ACTION OFF. USE	
DESCRIPTION OF ARTICLES OR SERVICES TO BE FURNISHED					
Please send us four (4) certified copy(ies) of the following U.S. Patent application as originally filed:					
Application No.: 09/967,567 Confirmation No.: 4716					
Filed: 9/28/01					
Inventor(s): Browning et al.					
Title: Arrangements Of Interconnect Circuit And Fluid Drop Generators					
Attention Certification Department. PLEASE INCLUDE A COPY OF THE SIGNED OR UNSIGNED DECLARATION AND POWER OF ATTORNEY					
If additional space is needed attach separate sheet.					
 Signature					
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OFFICIAL BUSINESS		Address: Hewlett-Packard Company			
RETURN AFTER FIVE DAYS		16399 W Bernardo Drive			
YOUR ORDER NO.		MS 88-838			
100110189-1		San Diego CA 92127			
		Telephone No.: (858) 655-4926			
		Fax No.: (858) 655-5859			
Rev 10/01 (industrial)					

RECORDATION FORM COVER SHEET

PATENTS ONLY

Attorney Docket No. 100110189-1

1. Name of conveying party(ies): Robert N.K. Browning 11/21/01 Matt G. Driggers 11/9/01 Ralph L. Statham 11/27/01 Mark Daniel Tucker 11/27/01 Patrick G. Mahoney 11/26/01	2. Name and address of receiving party(ies): <b>HEWLETT-PACKARD COMPANY</b> Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400
--	--

Additional name(s) of conveying party(ies) attached ☐ Yes ☒ No Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger ☐ Change of Name  
☐ Security Agreement ☐ Other

Execution Date(s): November 9, 21, 26, and 27, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Application No.: 09/967,567

Date Filed: 9/28/01

Confirmation No.: 4715

Additional numbers attached? NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Records Manager  
**HEWLETT-PACKARD COMPANY**  
Rick de la Torre MS 66-838  
16399 W Bernardo Drive  
San Diego CA 92127

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): . . . \$40.00

☐ Enclosed

☒ Authorization to be charged to deposit account.

8. Deposit Account Number: 08-2025

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Lucinda G. Auciello  
Name of Person Signing

Signature 

Apr 11, 2002  
Date

Total number of pages including cover sheet, attachments, and document: 4

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## PATENT APPLICATION

ATTORNEY DOCKET NO. 100110189-1

## ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do hereby assign and transfer to HP, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

Arrangements Of Interconnect Circuit And Fluid Drop Generators

Filing date: Sept. 28, 2001

Application No.: 09/967,567

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HP, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HP;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct HP attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):



Inventor's Signature (Seal)

Date Assignment Signed:

11/21/2001

Inventor's Typed Name: Robert N.K. Browning

Date Application Signed:

11/21/2001

State of

)

) ss.:

County of

)

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Robert N.K. Browning who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public

My commission expires:

When recorded please return to:

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

## PATENT APPLICATION

ATTORNEY DOCKET NO. 100110189-1

## ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we hereunto set my/our hand(s) and seal(s):

Matt G. Driggers Date Assignment Signed: 05 Nov 2001  
Inventor's Signature (Seal)

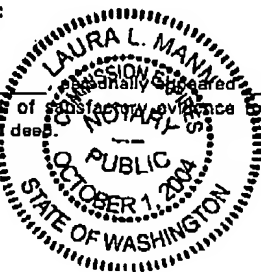
Inventor's Typed Name: Matt G Driggers Date Application Signed: 05 Nov 2001

State of Washington

) ss.:

County of Clark

Before me this 5th day of Nov. 2001, personally appeared Matt G Driggers who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Laura L. Mann  
Notary Public

My commission expires: 10/1/2004

Ralph L. Stathem Date Assignment Signed: 11/27/01  
Inventor's Signature (Seal)

Inventor's Typed Name: Ralph L. Stathem Date Application Signed: 11/27/01

State of

) ss.:

County of

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Ralph L. Stathem who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public

My commission expires:

Mark Daniel Tucker Date Assignment Signed: 11/27/01  
Inventor's Signature (Seal)

Inventor's Typed Name: Mark Daniel Tucker Date Application Signed: 11/27/01

State of

) ss.:

County of

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Mark Daniel Tucker who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public

My commission expires:



**PATENT APPLICATION**

ATTORNEY DOCKET NO. 100110189-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Robert N.K. Browning et al. Examiner: Stephens, J.  
Serial No.: 10/784357 Group Art Unit: 2853  
Filed: 02/23/2004 Docket No. 100110189-24  
Title: Arrangements Of Interconnect Circuit And Fluid Drop Detectors

**STATEMENT UNDER 37 CFR 3.73 (b)**  
**ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

1. **Action**

The assignee, Hewlett-Packard Development Company, L.P., of the entire right, title and interest in the above-identified patent application hereby seeks to take action in the U.S. Patent and Trademark Office in this matter.

2. **Identification of Assignee**

The Hewlett-Packard Development Company, L.P., is a Texas Limited Partnership having its principal place of business in Houston, Texas.

3. **Person Authorized to Sign:**

Bloor Redding  
Vice President and Assistant General Counsel  
Hewlett-Packard Company

I, Bloor Redding, the person signing below, state that I am empowered to sign this statement on behalf of the assignee, Hewlett-Packard Development Company, L.P.

4. **Basis of Assignees Interest**

Ownership by the assignee is established by an assignment (document) from newly deleted inventor Matt G. Driggers and by a separate assignment (document) from the originally named inventors.

**Establishing Right of Assignee to Take Action**

**Applicant: Robert N.K. Browning et al.**

**Filed: 10/784357**

**Docket No.: 100110189-24**

**Title: Arrangements Of Interconnect Circuit And Fluid Drop Generators**

---

**5. Copies of Documents in Chain of Title**

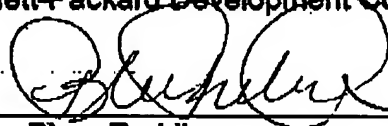
Copies of assignments in the chain of title are attached as follows:

A. Assignment (document) executed by Robert N.K. Browning, Matt G. Driggers, Ralph L. Stathem, Mark Daniel Tucker, and Patrick G. Mahoney on April 11, 2002.

B. Patent Assignment Abstract of Title showing the Assignment of Assignor's Interest from Hewlett-Packard Company to Hewlett-Packard Development Company, L.P. on June 9, 2003.

Hewlett-Packard Development Company, L.P.

Date: 23 Jun 05



Bloor Redding  
Vice President and  
Assistant General Counsel

Hewlett-Packard Company  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

I hereby certify that this paper is being transmitted to the Patent and Trademark  
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Number of pages 2

Typed Name: Ann Lygas

Signature: Ann Lygas